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70 or 80 well terminated crystals of Antimony Sulphide, with beautiful modifications; and several specimens of Azurite and Malachite from Arizona.

Respectfully submitted,

JACOB BINDER,

Curator.

REPORT OF THE BIOLOGICAL AND MICRO-SCOPICAL SECTION.

During the year 17 stated meetings were held with an average attendance of 10 members.

The Annual Exhibition was held Dec. 9th, 1886 with the usual success.

One member and eight contributors were elected during the year.

The deaths of Dr. N. A. Randolph and of Paul P. Keller were announced.

The following are the more important subjects under discussion during the year:—

December 6, 1886. Recent advances in Embryology, by Prof. J. A. Ryder.

December 6, 1886. Fructification in the Algae, by Dr. L. Brewer Hall.

January 3, 1887. Observations upon *Trichia scabra*, by Harold Wingate.

January 3, 1887. Demonstration of Prof. Ryder's ribbon cutting Microtome.

January 17, 1887. Observations upon the eggs of the Skate, by Prof. J. A. Ryder.

February 9, 1887. Upon the best methods of making Cells, by Dr. L. Ashley Faught.

February 9, 1887. The blastodermic layers in the yolk of different animals, by Prof. J. A. Ryder.

February 21, 1887. The hairs and spines of *Onosmodium Virginiana* and other plants, by Dr. J. B. Brinton.

February 21, 1887. Experiments with the moth larva in reference to the manner in which they injure wood fibres, by George B. Cock.

March 7, 1887. Experiments with the moth larva and Cockroach with reference to the manner in which they injure wool fibres, by George B. Cock.

April 4, 1887. Upon the anatomy of the sexual apparatus of the Bee, by Prof. J. A. Ryder.

April 4, 1887. Description of a new Microtome for making large sections of the brain etc., by Prof. J. A. Ryder.

April 18, 1887. The hearing organ of *Mysis flexuosa*, by Harold Wingate.

April 18, 1887. *Hemiarcyria serpula*, by Dr. George A. Rex.

April 18, 1887. Structure of the leaf of *Deutzia*, by Dr. J. B. Brinton.

April 18, 1887. Anatomy of the leg of the Honey Bee, by Dr. L. Brewer Hall.

April 18, 1887. The making of wax cells, by John C. Wilson.

June 6, 1887. Karyokinesis, by Prof. J. A. Ryder.

September 19, 1887. The evolution of an eight-limbed vertebrate, by Prof. J. A. Ryder.

September 19, 1887. The warts upon the legs of the Horse, by Prof. Harrison Allen.

October 3, 1887. The development of the ovum in the Field Mouse, by Prof. J. A. Ryder.

October 17, 1887. Placentation in animals, by Prof. J. A. Ryder.

On October 17, a course of lectures to be delivered during the winter was arranged by the lecture committee. The first one by Prof. J. A. Ryder upon "The two great Plans of Animal Organization" was given in the hall of the Academy Monday, November 21, 1887.

Very respectfully,

ROBERT J. HESS,

Recorder.

REPORT OF THE CONCHOLOGICAL SECTION.

The Recorder of the Conchological Section respectfully reports that during the year past, such Conchological papers as have been accepted have been published by the Academy as heretofore.

The Section has lost by death, one member, Isaac Lea, LL. D. who died in last December at the advanced age of ninety four years. At a special meeting of the section held Dec. 14th, 1886 the following minute was adopted and by direction transmitted to his family.